



#3

## SEQUENCE LISTING

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Fleckenstein, Bernhard  
Knappe, Andrea

<120> MAMMALIAN CYTOKINE; RELATED REAGENTS

<130> DX0644KBK

<150> 09/363,993

<151> 1999-07-29

<150> 08/934,959

<151> 1997-09-22

<150> 60/345,690

<151> 2002-01-03

<150> 60/302,176

<151> 2001-06-28

<150> 60/027,368

<151> 1996-09-23

<160> 21

<170> PatentIn version 3.1

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<212> DNA

<213> Homo sapiens

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<221> CDS

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1 5

ttg agg tgt ggg ttg ctg tta gtc act ctg tct ctt gcc att gcc aag 101  
Leu Arg Cys Gly Leu Leu Leu Val Thr Leu Ser Leu Ala Ile Ala Lys  
10 15 20

cac aag caa tct tcc ttc acc aaa agt tgt tac cca agg gga aca ttg 149  
His Lys Gln Ser Ser Phe Thr Lys Ser Cys Tyr Pro Arg Gly Thr Leu  
25 30 35

tcc caa gct gtt gac gct ctc tat atc aaa gca gca tgg ctc aaa gca 197  
Ser Gln Ala Val Asp Ala Leu Tyr Ile Lys Ala Ala Trp Leu Lys Ala  
40 45 50

acg att cca gaa gac cgc ata aaa aat ata cga tta tta aaa aag aaa 245  
Thr Ile Pro Glu Asp Arg Ile Lys Asn Ile Arg Leu Leu Lys Lys Lys  
55 60 65 70

aca aaa aag cag ttt atg aaa aac tgt caa ttt caa gaa cag ctt ctg	293
Thr Lys Lys Gln Phe Met Lys Asn Cys Gln Phe Gln Glu Gln Leu Leu	
75 80 85	
tcc ttc ttc atg gaa gac gtt ttt ggt caa ctg caa ttg caa ggc tgc	341
Ser Phe Phe Met Glu Asp Val Phe Gly Gln Leu Gln Leu Gln Gly Cys	
90 95 100	
aag aaa ata cgc ttt gtg gag gac ttt cat agc ctt agg cag aaa ttg	389
Lys Lys Ile Arg Phe Val Glu Asp Phe His Ser Leu Arg Gln Lys Leu	
105 110 115	
agc cac tgt att tcc tgt gct tca tca gct aga gag atg aaa tcc att	437
Ser His Cys Ile Ser Cys Ala Ser Ser Ala Arg Glu Met Lys Ser Ile	
120 125 130	
acc agg atg aaa aga ata ttt tat agg att gga aac aaa gga atc tac	485
Thr Arg Met Lys Arg Ile Phe Tyr Arg Ile Gly Asn Lys Gly Ile Tyr	
135 140 145 150	
aaa gcc atc agt gaa ctg gat att ctt ctt tcc tgg att aaa aaa tta	533
Lys Ala Ile Ser Glu Leu Asp Ile Leu Leu Ser Trp Ile Lys Lys Leu	
155 160 165	
ttg gaa agc agt cag taaaccaaag ccaagtacat tgattttaca gttattttga	588
Leu Glu Ser Ser Gln	
170	
aatacaataa gaactgctag aaatatgttt ataacagtct atttctttta aaaacttttt	648
aacataatac tgacggcatg ttaggtgatt cagaatagac aagaaggatt tagtaaatta	708
acgtttttgga tataagttgt cactaatttg cacattttct gtgttttcaa ataatgtttc	768
cattctgaac atgttttgtc attcacaagt acattgtgtc aacttaattt aaagtatgta	828
acctgaatta actcgtgtaa tatttgtgtg tggagtggga tgtggggggg ggagggggaa	888
tgacagattt ctggaatgca atgtaatgtt actgagactt aaatagatgt tatgtatatg	948
attgtctgtt taagtgtttg aaaattgtta attatgccca gtgtgaactt agtacttaac	1008
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Met Leu Val Asn Phe Ile Leu Arg Cys Gly Leu Leu Leu Val Thr Leu
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Ser Leu Ala Ile Ala Lys His Lys Gln Ser Ser Phe Thr Lys Ser Cys
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Tyr Pro Arg Gly Thr Leu Ser Gln Ala Val Asp Ala Leu Tyr Ile Lys  
35 40 45

Ala Ala Trp Leu Lys Ala Thr Ile Pro Glu Asp Arg Ile Lys Asn Ile  
50 55 60

Arg Leu Leu Lys Lys Lys Thr Lys Lys Gln Phe Met Lys Asn Cys Gln  
65 70 75 80

Phe Gln Glu Gln Leu Leu Ser Phe Phe Met Glu Asp Val Phe Gly Gln  
85 90 95

Leu Gln Leu Gln Gly Cys Lys Lys Ile Arg Phe Val Glu Asp Phe His  
100 105 110

Ser Leu Arg Gln Lys Leu Ser His Cys Ile Ser Cys Ala Ser Ser Ala  
115 120 125

Arg Glu Met Lys Ser Ile Thr Arg Met Lys Arg Ile Phe Tyr Arg Ile  
130 135 140

Gly Asn Lys Gly Ile Tyr Lys Ala Ile Ser Glu Leu Asp Ile Leu Leu  
145 150 155 160

Ser Trp Ile Lys Lys Leu Leu Glu Ser Ser Gln  
165 170

<210> 3

<211> 179

<212> PRT

<213> Equine Herpes Virus

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Trp Ala Asp Asn Lys Tyr Asp Ser Glu Ser Gly Asp Asp Cys Pro Thr  
20 25 30

Leu Pro Thr Ser Leu Pro His Met Leu His Glu Leu Arg Ala Ala Phe  
35 40 45

Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Met  
50 55 60

Leu Leu Asp Gly Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys  
 65 70 75 80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro  
 85 90 95

Gln Ala Glu Asn His Ser Thr Asp Gln Glu Lys Asp Lys Val Asn Ser  
 100 105 110

Leu Gly Glu Lys Leu Lys Thr Leu Arg Val Arg Leu Arg Arg Cys His  
 115 120 125

Arg Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys  
 130 135 140

Ser Ala Phe Ser Lys Leu Gln Glu Lys Gly Val Tyr Lys Ala Met Ser  
 145 150 155 160

Glu Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Thr Lys  
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Met Lys Asn

<210> 4  
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Leu Ala Pro Glu Cys Gly Gly Thr Asp Gln Cys Asp Asn Phe Pro Gln  
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Met Leu Arg Asp Leu Arg Asp Ala Phe Ser Arg Val Lys Thr Phe Phe  
 35 40 45

Gln Thr Lys Asp Glu Val Asp Asn Leu Leu Leu Lys Glu Ser Leu Leu  
 50 55 60

Glu Asp Phe Lys Gly Tyr Leu Gly Cys Gln Ala Leu Ser Glu Met Ile  
 65 70 75 80

Gln Phe Tyr Leu Glu Glu Val Met Pro Gln Ala Glu Asn Gln Asp Pro  
 85 90 95

Glu Ala Lys Asp His Val Asn Ser Leu Gly Glu Asn Leu Lys Thr Leu  
100 105 110

Arg Leu Arg Leu Arg Arg Cys His Arg Phe Leu Pro Cys Glu Asn Lys  
115 120 125

Ser Lys Ala Val Glu Gln Ile Lys Asn Ala Phe Asn Lys Leu Gln Glu  
130 135 140

Lys Gly Ile Tyr Lys Ala Met Ser Glu Phe Asp Ile Phe Ile Asn Tyr  
145 150 155 160

Ile Glu Ala Tyr Met Thr Ile Lys Ala Arg  
165 170

<210> 5  
<211> 178  
<212> PRT  
<213> Mus musculus

<400> 5

Met Pro Gly Ser Ala Leu Leu Cys Cys Leu Leu Leu Leu Thr Gly Met  
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Arg Ile Ser Arg Gly Gln Tyr Ser Arg Glu Asp Asn Asn Cys Thr His  
20 25 30

Phe Pro Val Gly Gln Ser His Met Leu Leu Glu Leu Arg Thr Ala Phe  
35 40 45

Ser Gln Val Lys Thr Phe Phe Gln Thr Lys Asp Gln Leu Asp Asn Ile  
50 55 60

Leu Leu Thr Asp Ser Leu Met Gln Asp Phe Lys Gly Tyr Leu Gly Cys  
65 70 75 80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Val Glu Val Met Pro  
85 90 95

Gln Ala Glu Lys His Gly Pro Glu Ile Lys Glu His Leu Asn Ser Leu  
100 105 110

Gly Glu Lys Leu Lys Thr Leu Arg Met Arg Leu Arg Arg Cys His Arg  
115 120 125

Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Ser  
 130 135 140

Asp Phe Asn Lys Leu Gln Asp Gln Gly Val Tyr Lys Ala Met Asn Glu  
 145 150 155 160

Phe Asp Ile Phe Ile Asn Cys Ile Glu Ala Tyr Met Met Ile Lys Met  
 165 170 175

Lys Ser

<210> 6  
 <211> 178  
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Phe Pro Gly Asn Leu Pro Asn Met Leu Arg Asp Leu Arg Asp Ala Phe  
 35 40 45

Ser Arg Val Lys Thr Phe Phe Gln Met Lys Asp Gln Leu Asp Asn Leu  
 50 55 60

Leu Leu Lys Glu Ser Leu Leu Glu Asp Phe Lys Gly Tyr Leu Gly Cys  
 65 70 75 80

Gln Ala Leu Ser Glu Met Ile Gln Phe Tyr Leu Glu Glu Val Met Pro  
 85 90 95

Gln Ala Glu Asn Gln Asp Pro Asp Ile Lys Ala His Val Asn Ser Leu  
 100 105 110

Gly Glu Asn Leu Lys Thr Leu Arg Leu Arg Leu Arg Arg Cys His Arg  
 115 120 125

Phe Leu Pro Cys Glu Asn Lys Ser Lys Ala Val Glu Gln Val Lys Asn  
 130 135 140

Ala Phe Asn Lys Leu Gln Glu Lys Gly Ile Tyr Lys Ala Met Ser Glu  
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Phe Asp Ile Phe Ile Asn Tyr Ile Glu Ala Tyr Met Thr Met Lys Ile  
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Arg Asn

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<210> 14  
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